









### Volume IV

Source Control BMPs (Minimum Requirement #3)



# Volume IV - Source Control BMPs







- 1.4. Definitions (Operational, Structural, and Treatment BMPs)
- 1.6. Applicable vs. Recommended BMPs



#### Chapter 2

- 2.1. Operational BMPs
- 2.2. Source-Specific Operational and Structural BMPs



#### **Source Control BMPs**



Applicable BMPs – Section 1.6



- BMPs for equivalency



 BMPs likely referenced in the reissued NPDES Industrial Stormwater General Permit





#### **Source Control BMPs**











Not necessary for manual equivalency & not likely required in NPDES permit

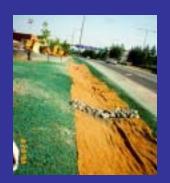




### Operational Source Control BMPs









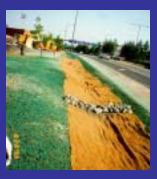
- Section 1.4 Definition:
  - Non-structural practices that prevent or reduce pollutants
- Categories
  - Preventive Maintenance
  - Employee Training
  - Inspections
  - Record Keeping
  - P2 Team
  - Good Housekeeping
  - Spill Prevention & Clean-up



## Operational Source Control BMPs









- Section 2.1 lists applicable and recommended BMPs for each category; e.g.
  - Good Housekeeping
    - Sweeping
    - Clean oils, debris, sludge regularly
- These apply to all types of industrial/commercial sites



## Structural Source Control BMPs









 Physical, structural, or mechanical devices or facilities to prevent pollutants from entering stormwater

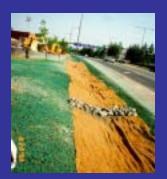
#### Examples

- Enclosing/covering (Building, Roof, lean-to) to prevent runoff
- Stormwater segregation to prevent runon
- Direct Contaminated Stormwater to treatment











# Section 2.2 Pollutant Source-Specific BMPs

- 31 different areas/activities listed
  - Commercial Composting
  - Fueling
  - Etc.
- For Each Area/Activity
  - Description of Pollutant Sources
  - Pollutant Control Approach
  - Applicable operational, structural, treatment BMPs
  - Recommended BMPs



# Section 2.2. Pollutant Source-Specific BMPs









Local Government Project
Reviews should check for
Source Control Structural BMPs



### Significant New BMPs



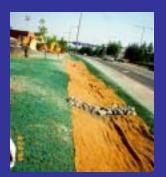
Deicing Areas (p. 2-14)

-Aircraft



-Roadways

Mobile Fueling (p. 2-43)
Roof/Building Drains (p. 2-51)







### **Modified BMPs**



Landscaping/lawn vegetation mgmt. (p. 2-23)



**Maintenance of Utility Corridors (p. 2-36)** 

- --chemical preservation per industry standards
- --environmentally sensitive areas, use other materials
- --consider-other technologies (sleeves/caissons) when commercially available



Parking/Storage of Vehicles (p. 2-48)
--High-Use Sites



**Wood Treatment Areas (p. 2-67)** 

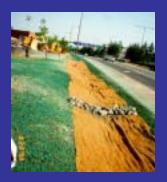
--use chemicals that do not adversely impact receiving waters



### **Major Changes**









- New Section 2.1 on Operational BMPs
- 19 Additional Source-Specific BMPs
- Appendices:
  - A: Identifying Pollutant Generating Sources per Urban Land Use
  - B: Stormwater Pollutants & Adverse Impact
  - C: Recycling/Disposal of Vehicle Fluids
  - D: Regulatory Requirements
  - E: NPDES Stormwater Discharge Permits
  - F: Integrated Pest Management Example
  - G: Management of Street Wastes











# General Questions

